

SUMMARY

Bachelor work contains pages – 71, drawings – 26, tables – 3 and graphic part on 3 sheets A1.

An analytical review of literature sources on the topic of the bachelor's thesis is performed, the types of losses in an induction motor are analyzed, mathematical models in fixed and rotating coordinate systems for the study of induction motors are developed. A study of energy-efficient laws of control of magnetization and demagnetization processes of a stationary motor is performed. Recommendations on the feasibility of using methods in different modes have been developed. Feasibility study of rotor flux control efficiency in electric drives of city vehicles at stops is performed

INDUCTION MOTOR, FREQUENCY CONVERTER, VECTOR CONTROL, MATHEMATICAL MODEL, LOSS.

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		№ of document	Signature	Date	Research of processes of regulation of flux coupling of a rotor of vector-controlled asynchronous motors Summary	Lit.	Page	Pages
Devel.	A. Kucheriaviy							
Checked by	O. Tolochko						7	71
N. Contro.	N. Krasnoshapka					NTUU “Igor Sikorsky Kyiv Polytechnic Institute”, FEA,		
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